

5 Abstract

Cooling air supply system for the cooling of different systems requiring cooling air in
an aircraft

10 A cooling air supply system (10) for an aircraft in order to supply cooling air from the
aircraft surrounds to at least two devices requiring cooling air (38, 44, 56) within the
aircraft, is designed with an air inlet (12), an air channel (16) communicating with
the air inlet (12) and with an air distribution device (30, 32, 34) for the distribution of
air to at least two devices requiring cooling air (38, 44, 56), whereby the air inlet
15 (12) is proportioned in such a way that it covers the maximum cooling air
requirement of at least two devices requiring cooling air (38, 44, 56).

(Figure)